

REMARKS

This Amendment is responsive to the official action dated May 15, 2006. Claims 1, 3-7, 9-13, and 15-19 were pending in the application. In the official action, the Examiner allowed claims 11 and 18, rejected claims 1, 3, 4, 6, 7, 9, 10, 12, 13, 15, 16, and 19, and objected to claims 5 and 17. In this Amendment, claims 5 and 17 have been cancelled, and claims 1, 3, 6, 7, 9, 12, 13, 15, and 19 have been amended. Claims 1, 3, 4, 6, 7, 9, 10, 12, 13, 15, 16, and 19 thus remain for consideration.

Applicant submits that claims 1, 3, 4, 6, 7, 9, 10, 12, 13, 15, 16, and 19 are in condition for allowance and requests withdrawal of the rejections in light of the following remarks.

Claim Objections

Claims 5 and 17 were objected to as being dependent on a rejected base claim.

Claims 5 and 17 have been canceled, thereby rendering the objections to claims 5 and 17 moot

§102 and §103 Rejections

Claims 1, 6, 13, and 19 were rejected under 35 U.S.C. §102(b) as being anticipated by Nossen (U.S. Patent 4,669,091).

Claims 7, 9, 10, and 12 were rejected under 35 U.S.C. §102(e) as being anticipated by Kokuryo et al. (U.S. Patent 6,879,630).

Claims 3, 4, 15, and 16 were rejected under 35 U.S.C. §103(a) as being unpatentable over Nossen in view of Oler et al. (U.S. Patent 6,031,866).

Applicant respectfully submits that independent claims 1, 3, 6, 7, 9, 12, 13, 15, and 19 are patentable over Nossen, Kokuryo, and Oler.

Claims 1, 3, 6, 13, 15, and 19 have been amended to include limitations like those recited in claim 5 (now canceled). Applicant notes that claim 5 was indicated as being allowable if rewritten in independent form (official action, page 4), and submits that claims 1, 3, 6, 13, 15, and 19 as amended are allowable for at least the same reasons as claim 5.

Claims 7, 9, and 12 have been amended to recite, in pertinent part: generating a training signal at a receiving unit; processing the receiver-generated training signal to generate a processed signal; correlating a first component of a received signal with a component of the processed signal; correlating a second component of the received signal with the component of the processed signal; and equalizing the first signal component according to the results of the correlations. Applicant submits that neither Nossen, Kokuryo, nor Oler discloses the noted limitation of claims 7, 9, and 12. Accordingly, Applicant believes that claims 7, 9, and 12 are patentable over Nossen, Kokuryo, and Oler - taken either alone or in combination - on at least this basis.

Further, since dependent claims inherit the limitations of their respective base claims, Applicant submits that dependent claims 4, 10, and 16 are patentable over Nossen, Kokuryo, and Oler for at least the same reasons as discussed in connection with claims 1, 7, and 13, respectively.

Applicant respectfully submits that all of the claims now pending in the application are in condition for allowance, which action is earnestly solicited. If any issues remain, or if the Examiner has any further suggestions, he/she is invited to telephone the undersigned at (908) 654-5000.

The Examiner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account No. 12-1095.

The Examiner's consideration of this matter is gratefully acknowledged.

Dated: October 2, 2006

Respectfully submitted,

By   
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